BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction and Developments of roads in Chowdeshwari ward no-02 of Yelahanka Sub Division

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For RCC Drain	Cum							
	Besthara Beedhi Main Rd								
	Chainage 0.00 to 69.00m		1	69.00	1.40	0.90	86.94		
	Chainage 69.00 to 96.00m		1	27.00	1.10	0.90	26.73		
	Govt Urdu School Rd								
	Chainage 0.00 to 36.00m		1	36.00	1.40	0.90	45.36		
	Culvert		1	6.00	1.40	0.80	6.72		
							165.75	215.28	**35682.66**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Drain	Cum							
	Besthara Beedhi Main Rd								
	Chainage 0.00 to 69.00m		1	69.00	1.40	0.15	14.49		
	Chainage 69.00 to 96.00m		1	27.00	1.10	0.15	4.46		
	Govt Urdu School Rd								
	Chainage 0.00 to 36.00m		1	36.00	1.40	0.15	7.56		
	For Kerb stones								
	Chainage 0.00 to 69.00m		1	69.00	0.20	0.10	1.38		
	Chainage 69.00 to 96.00m		1	27.00	0.20	0.10	0.54		
	Govt Urdu School Rd								
	Chainage 0.00 to 36.00m		1	36.00	0.20	0.10	0.72		
	Culvert		1	6.00	1.40	0.15	1.26		
							30.41	5421.90	**164852.87**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P No.271, I No 37.59 2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Bottom slab								
	Besthara Beedhi Main Rd								
	Chainage 0.00 to 69.00m		1	69.00	1.20	0.15	12.42		

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Chainage 69.00 to 96.00m		1	27.00	0.90	0.15	3.65		
	Govt Urdu School Rd								
	Chainage 0.00 to 36.00m		1	36.00	1.20	0.15	6.48		
	side walls								
	Besthara Beedhi Main Rd								
	Chainage 0.00 to 69.00m		2	69.00	0.15	0.70	14.49		
	Chainage 69.00 to 96.00m		2	27.00	0.15	0.70	5.67		
	Govt Urdu School Rd								
	Chainage 0.00 to 36.00m		2	36.00	0.15	0.70	7.56		
							50.27		
	Culvert raft		1	6.00	1.20	0.20	1.44		
	Culvert wall		2	6.00	0.23	0.60	1.66		
					Net Qty.		**53.36**	7070.20	**377272.94**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 60 kg / cum	Tonne		50.27	0.060	--	3.02		
	Considering steel For Culvert @ 90 kg / cum	Tonne		3.10	0.090	--	0.28		
							3.29	73992.24	**243770.39**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Besthara Beedhi Main Rd								
	Chainage 0.00 to 69.00m		1	69.00	1.20	--	82.80		
	Chainage 69.00 to 96.00m		1	27.00	0.90	--	24.30		
	Govt Urdu School Rd								
	Chainage 0.00 to 36.00m		1	36.00	1.20	--	43.20		
							150.30	2337.00	**351251.10**
	Data Rate Rs. =	2337							
6	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
		Sqm							
	Culvert raft		1	6.00	1.20	--	7.20		
							7.20	5418.00	**39009.60**
	Data Rate Rs. =	5418							

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
		Nos							
	Besthara Beedhi Main Rd								
	Chainage 0.00 to 69.00m		1	69.00			69.00		
	Chainage 69.00 to 96.00m		1	27.00			27.00		
	Govt Urdu School Rd								
	Chainage 0.00 to 36.00m		1	33.00			33.00		
							129.00		
							287.00		
							287.00	432.48	**124121.76**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
8	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For Drain	Sqm							
	Besthara Beedhi Main Rd								
	Chainage 0.00 to 69.00m		1	69.00	0.30		20.70		
	Chainage 69.00 to 96.00m		1	27.00	0.30		8.10		
	Govt Urdu School Rd								
	Chainage 0.00 to 36.00m		1	33.00	0.30		9.90		
							38.70	84.80	**3281.76**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
								Sub Total 1 Rs.	**1339243.09**
	Add GST @ 12%								**160709.17**
								Sub Total 2 Rs.	**1499952.26**
	Miscellaneous & Rounding off							9 9	**47.74**
								Total Rs.	**1500000.00**

TECHNICALLY SANCTIONED FOR Rs. 15.00 Lakhs
Rupees ... Fifteen Lakhs Only
Under P-3296 2019-20
14th Finance Commission works
Registered as CE ( ) No. .....
Subject to conditions contained in
enclosed memo EE ( ) No. ...../9/
Dt. ..... Estimate A. Sanctioned
EE/YNK/CR/18/2019-20
Dated 22/01/2020 Rs. 15.00 Lakhs
Executive Engineer

CERTIFICATE:

1 The work spot has been inspected by me and the work is found to be necessary.
2 The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019 issue rates dated 21-10-201 9and Data Rates
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

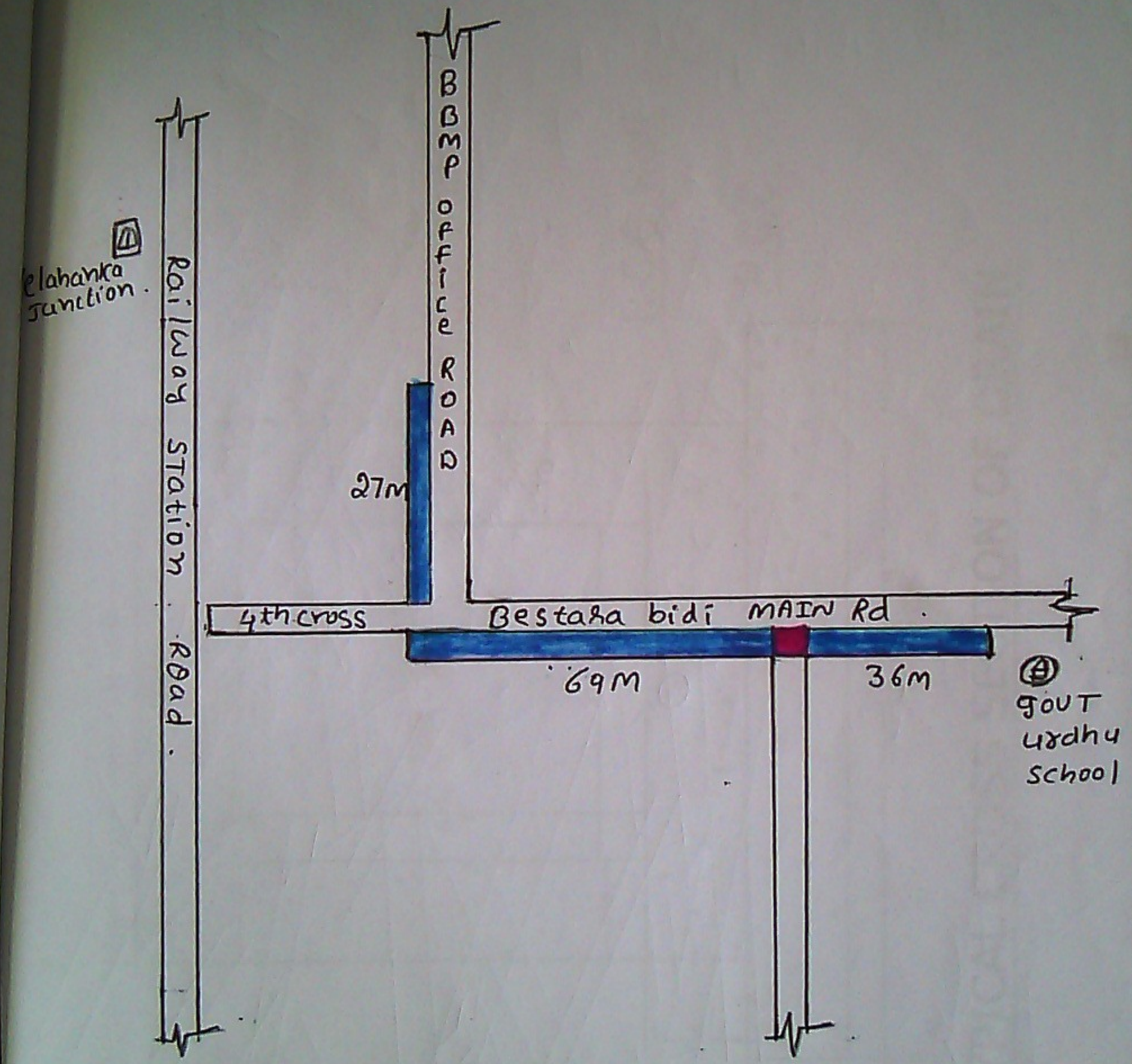
Assistant Engineer	Assistant Executive Engineer	Executive Engineer
Ward 02	Yelahanka Sub Division	Yelahanka Division
BBMP	BBMP	BBMP

Administrative Approval

Accorded For Rs.15.00 Lakhs only
Head of A/C P3296
CER NO : 92 **Dt:** 13.01.2020

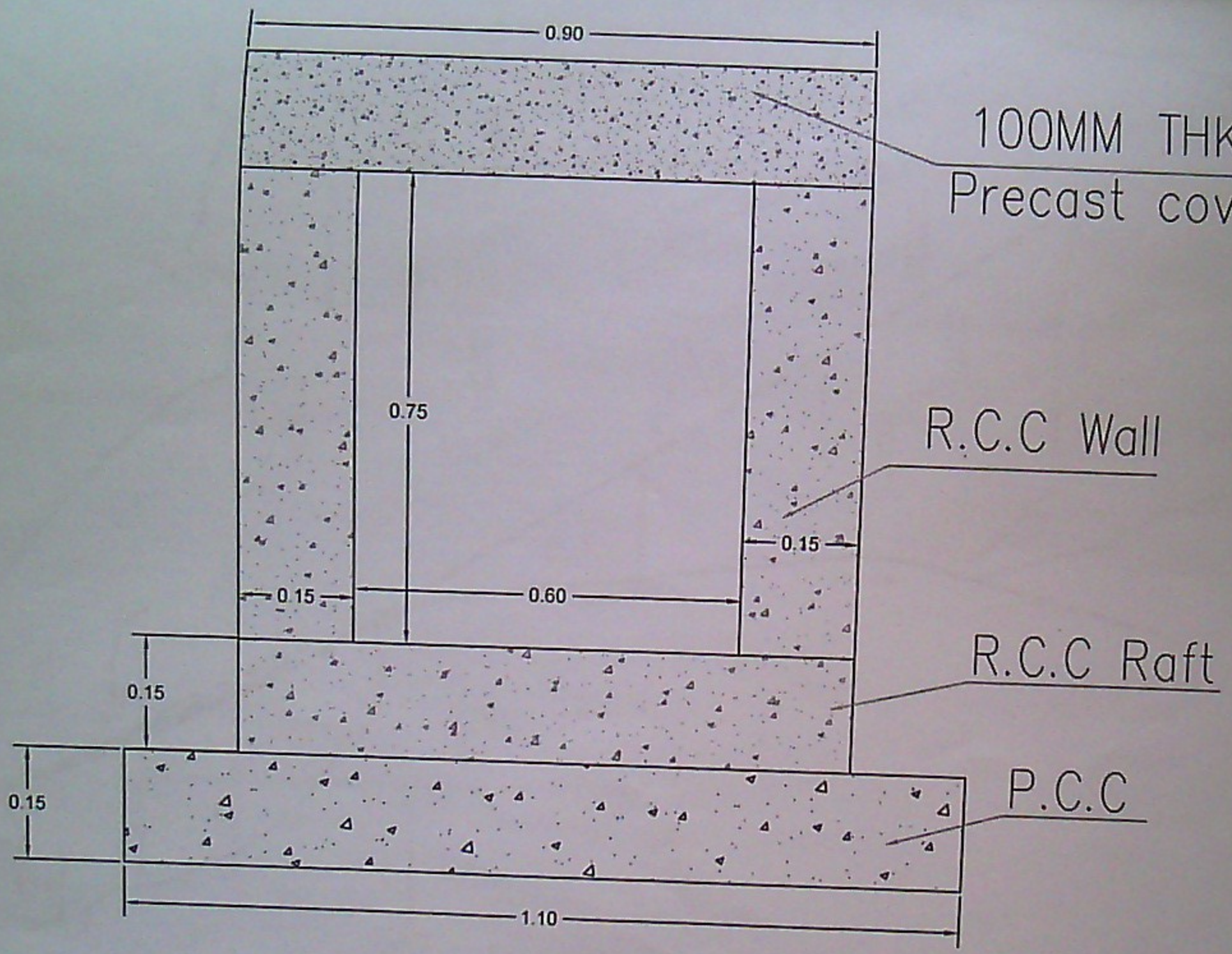
TA. CE (YNK)

...nstruction and Development of Roads in ...howdeshwari ward NO-02 of Yelahanka Sub ...rvision..



Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelananka, Bangalore

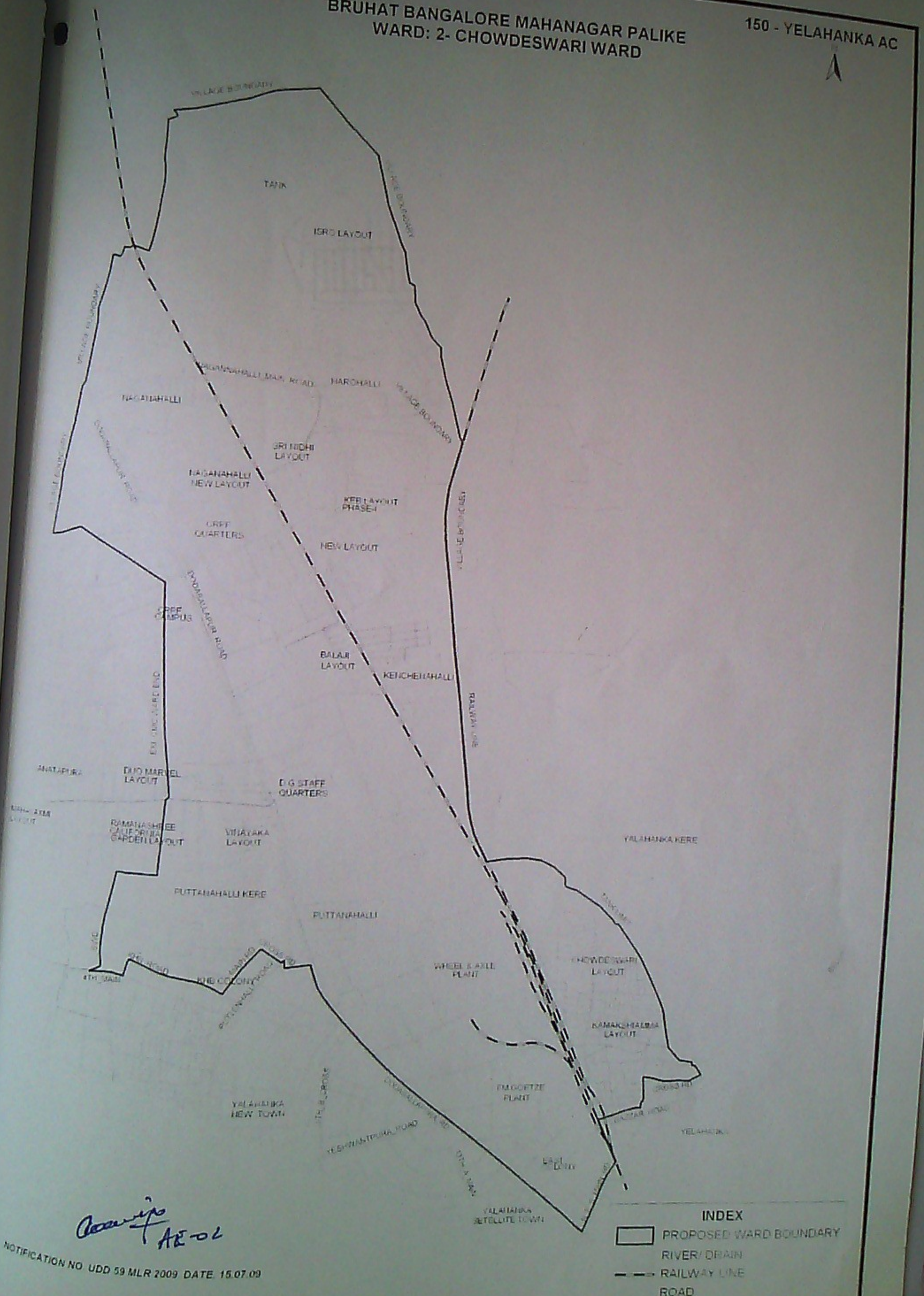
INDEX.
- RCC DRAIN
- RCC culvert



TYPICAL CROSS SECTION OF DRAIN

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 2- CHOWDESWARI WARD

150 - YELAHANKA AC



AE-01

NOTIFICATION NO. UDD 59 MLR 2009 DATE. 15.07.09